WHAT IS CLAIMED IS

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 A recordable optical information recording medium having addresses t for respective sectors, comprising:

an area Al starting from an address tl to

10 which access is made by a recording apparatus only at a

time of recording operation;

an area A2 starting from an address t2 to which access is made by the recording apparatus either at a time of recording operation or at a time of reproducing operation; and

an area A3 starting from an address t3 to which access is made either by the recording apparatus or by a reproducing apparatus either at a time of recording or at a time of reproducing, and

wherein the addresses t are set consecutively with respect to a physical arrangement of the sectors in each of said areas A2 and A3, and said area A1 has at least one inconsecutive part at which the addresses t are not consecutive with respect to the physical

25 arrangement of the sectors.

2. The recording medium as claimed in claim 1, wherein the inconsecutive part has no sector range, and such that an address t1' and an address t2' are not consecutive, where t1 < t1', t2' < t2, and the starting address t1 of said area A1 is set precedingly by the amount of (t2' - t1').

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3. The recording medium as claimed in claim 1, wherein the inconsecutive part has a range of Al' in the direction of the physical arrangement of the sectors between addresses t1' and t2', the addresses t from the address t1' to the address t2' are not consecutive, where t1 < t1', and t2' < t2, and arbitrary addresses tx can be set in the range Al'.

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4. The recording medium as claimed in claim 1, wherein the inconsecutive part has a range of Al' in the direction of the physical arrangement of the sectors between addressees t1' and t2', the addresses t from the

address t1' to the address t2' are not consecutive, where t1 \langle t1', and t2' \langle t2, and there are no addresses set in the range A1'.

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5. The recording medium as claimed in claim 4, further comprising a pre-pit in the inconsecutive part.

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The recording medium as claimed in claim 1,
 wherein the addresses are recorded in wobbles of a guide groove.

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7. The recording medium as claimed in claim 1, configured to have a characteristic such that, a degree of modulation is equal to or lower than 0.5 obtained when recording is made through the recording apparatus employing either an optical pickup for CD having a

wavelength λ = 789 nm, and a numerical aperture of an objective lens NA = 0.50 or an optical pickup for DVD having a wavelength λ = 650 nm, and a numerical aperture of an objective lens NA = 0.60, at a relative speed V such that V = 0.5 Vmin where Vmin represents the lowest recordable relative speed between the optical pickup and the recording medium, with a recording signal of the largest mark length using a light-emitting waveform comprising a multi-pulse sequence.

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8. A recording apparatus comprising:

a detecting part which detects as to whether or not the inconsecutive part for the addresses t exists in the area Al of the recording medium claimed in claim 1; and

a correcting part which performs correlation

on for the inconsecutive addresses thereof when the

inconsecutive part is detected by said detecting part.

- $\mbox{9.} \quad \mbox{$A$ recording method comprising the steps} \\ \mbox{of:} \quad \mbox{} \quad \mbox{}$
- a) detecting as to whether or not the inconsecutive part for the addresses t exists in the area Al of the recording medium claimed in claim 1; and
 - b) performing correlation for the inconsecutive addresses thereof when the inconsecutive part is detected in said step a).